

ECE Courses to Offer Fall 2019 & Winter 2020

Catalog Nbr	Course Name	# sec's Fall	Instructor	# sec's Win	Instructor
		19		20	
100	Engin 100	2	Dick + Garmire	2	Ku (drones) + Zhong (solar)
101	Engin 101				
250	UARTS 250				
390	Engin 390				
501	Robotics 501	1	Gregg		
550	Robotics 550	1			
	Robotics 599			1	Gregg
601	EER 601			1	Finelli
203	Discrete Math				
370	Intro Comp Org				
373	Design Microproc Sys				
200	EE Systems Design I	1	Phillips	1	Pierce
215	Intro to Elect Circ	2	Finelli x 2	1	Terry x 2
216	Intro Signals&Syst	2	Lafortune x 2	2	Anastasopoulos x 2
230	EMAG I	1	Lee	1	Kushner
300	EE Systems Design II	1	Gilchrist/Revzen (398)	1	Gilchrist/Revzen
301	Prob Methods Eng	1	Stark	1	Mahdavifar
311	Elect Circuits	1	Flynn	1	Avestruz
312	Digit Integrat Circ	1	Sylvester	1	Garmire
314	Elec Ckts, Sys&Appl	1	Ganago	1	Ganago
320	Intr Semicon Devices	1	Bhattacharya	1	Forrest
330	Emag II	1	Tsang	1	Willingale
334	Prin of Optics	1	Deotare	1	Winful
351	Dig Sig Proc	1	Arbabjolfaei	1	Arbabjolfaei
398	Special Topics in EECS			1	Stark
406	High-Tech Entrep				
410	Patent Fund Eng				
411	M-Wave Circ I	1	Mortazawi		
413	Monolith Ampl Circ	1	Afshari		
414	Intro to MEMS	1	Najafi		
418	Power Electronics	1	Avestruz		
419	Elec Mach and Drives			1	Hofmann
421	Prop-Transistors	1	Ahmadi		
423	Sol State Dev Lab	1	Kanicki		
425	Integ Microsys Lab			1	Yoon
427	VLSI Design I	1	Zhang	1	Mazumder
428	Quant Nano Tech	1	Steel		
429	Semi Optoelec Dev			1	Bhattacharya
430	Radiowave Prop			1	Budhu
434	Princ Photon	1	Rand		
438	Lasers Lab	1	Deotare	1	Galvanauskas
442	Computer Vision		CSE Fouhey		CSE Johnson
444	Analysis Social Netwrks	1	Subramanian		
445	Intro Machine Learning				
452	DSP Design Lab	1	Wakefield	1	Kim
453	App Matr for SP				
455	Digital Comm Signal	1	Stark		
460	Con Sys Anlys&Des	1	Meerkov	1	Mathieu
461	Embedded Control	1	Freudenberg	1	Cook
463	Power Sys Deg&Oper	1	Hiskens		
464	Hands-on Robotics			1	Revzen
498	Special Topics				
500	Tutorial lec sys sci				
501	Prob&Random Proc	1	Pradhan	1	Pradhan
502	Stoch Processes			1	Subramanian
503	Intro Num Em			1	Tsang
504	Fnd Computer Vision	1			Owens
505	Computational Data Sci	1	Nadakuditi		
509	BioMEMS	1	Yoon		
510	RF MEMS				
511	A/D Interfaces			1	Flynn

Catalog		# sec 's Fall	Instructor	# sec' s Win	Instructor
Nbr	Course Name	19		20	
512	Amorph Sem			1	Kanicki
513	Flat Pan Displ				
514	Advanced MEMS				
515	Integ Microsystems			1	Gianchandani
517	Phys Proc in Plas	1	Kushner		
520	Solid State Physics	1	Zhong		
521	Solid State Devices			1	Guo
522	Analog Integr Ckt			1	Wentzloff
523	Digital Integ Tech	1	Kanicki		
525	Adv SS M-Wave Cir			1	Mortazawi
526	Plasmonics			1	Lee (modified duties, cance
528	M-Elec Proc Tech			1	Guo
529	Semi Las & Leds	1	Ku		
530	Electromag Thry I	1	Sarabandi		
531	Antenna Thry&Des				
532	M-Wave Rem Sens I				
533	Mw Meas Lab				
537	Classical Optics	1	Norris		
538	Opt Wave Crystals	1	Winful		
539	Lasers			1	Galvanauskas
540	Appl Quant Mech I	1	Kira		
541	Appl Qntm Mech II				
542	Vision Processing		Not offered		Not offered
545	Machine Learning	1	Hero		
546	Ultrafast Optics			1	Norris
550	Information Theory	1	Neuhoff		
551	Math Meth Sig Proc	1	Fessler		
552	Fib Opt:Intrnt Biomd				
553	Thy Practice Data Comp				
554	Dig Comm&Codes	1	Mahdavifar		
555	Digital Comm Thry				
556	Image Processing				
557	Communication Net			1	Ying
558	Stochastic Contrl	1	Anastasopoulos		
560	Linear Systems		ME covering		CEE covering
562	NI Sys&Con			1	Meerkov
563	Hybrid Control				
564	Estim, Filter&Detect			1	Hero
565	Lin Feedback Control			1	Freudenberg
566	Discrete Event Systems				
569	Prod Syst Eng			1	Meerkov Afshari, Hiskens, Fessler, Kira, Dick, Ying, Pradhan,Mazumder 2nd class, Song (power), Seiler, Fac candidate (Flynn)
598	Special Topics in EECS	3	Kim, Mathieu, Willingale	9	
600	Func Meth Sys Thry				
620	Elect Opt Semicon			1	Mi
627	VLSI Design II			1	Blaauw
628	Adv Hi Perf VLSI		Cancelled		
632	M-Wav Rem Sens II				
633	Numerical Meth's EM				
634	Nonlinear Optics				
638	Quant Thy Light			1	Rand
650	Chanel Coding Thry				
662	Adv NI Cont				
730	Spec'l topics EM			1	Sarabandi
755	Spec'l topics Sig Proc				